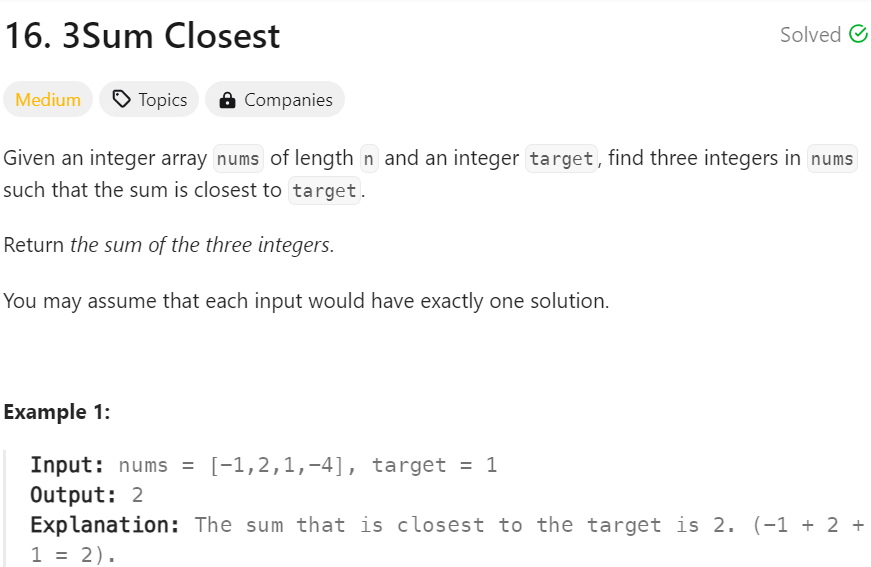
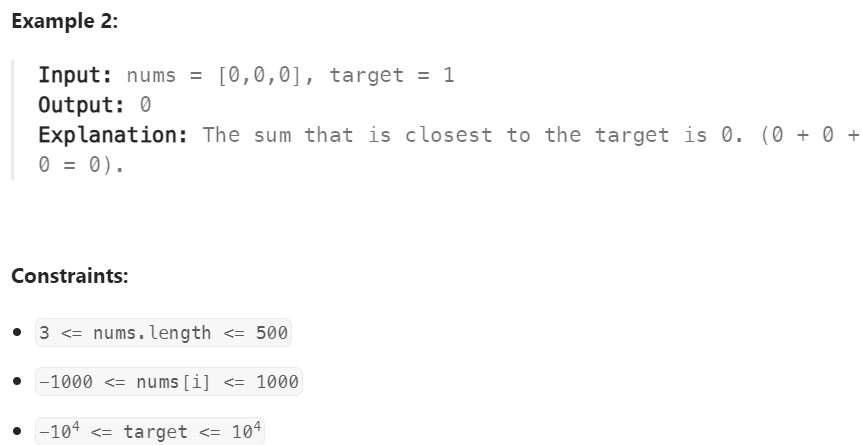
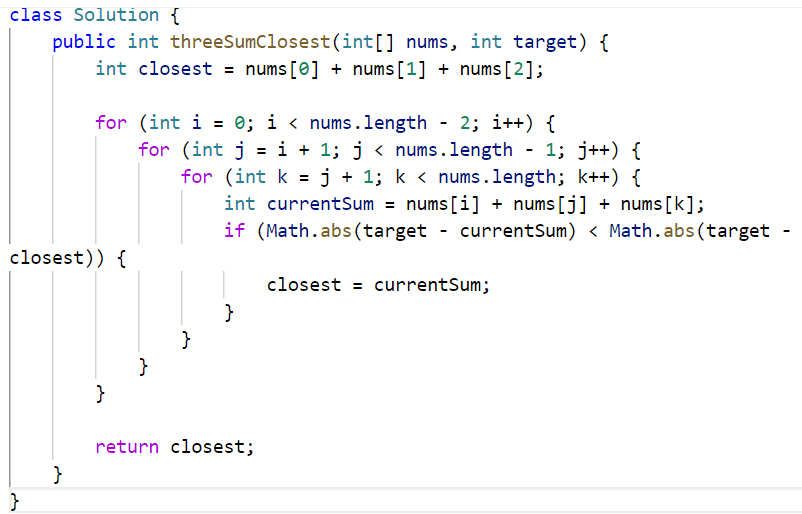
**20/11/24 PRACTICE PROBLEM FIZA THASHIN A(AI&DS)**

**1)**

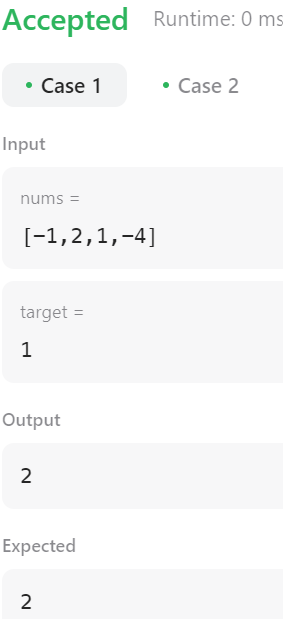
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**SOLUTION**

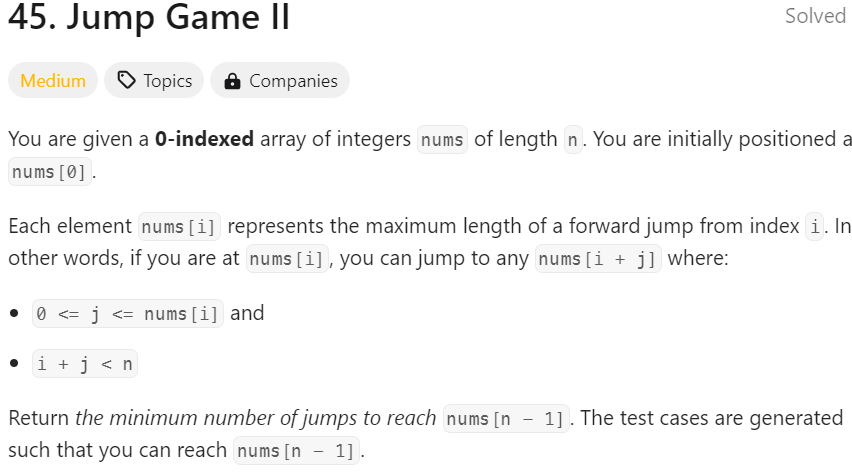
****

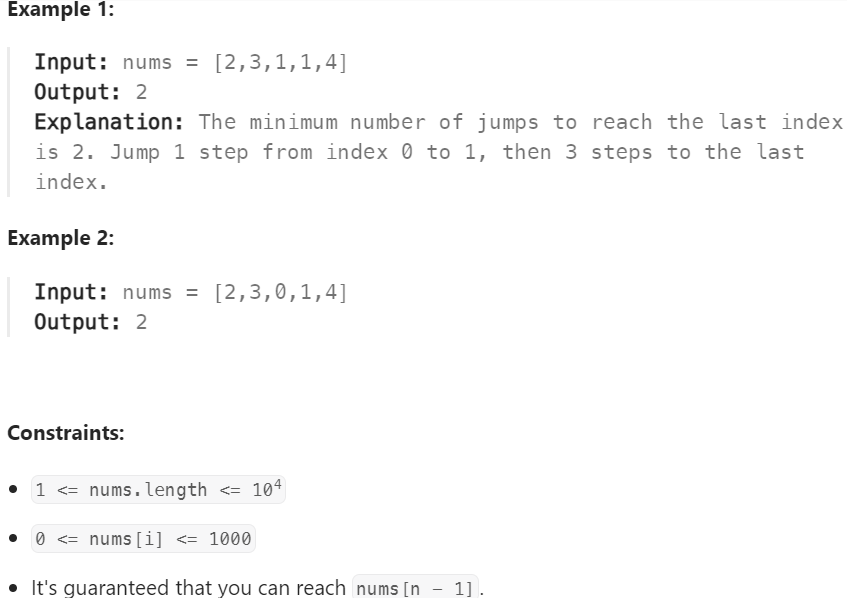
**OUTPUT**

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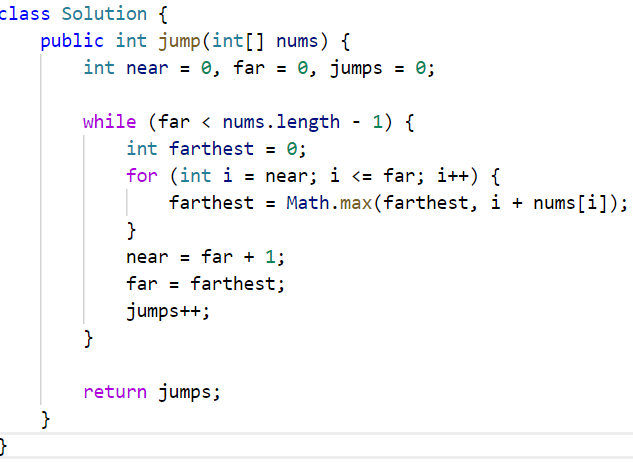
**TIME COMPLEXITY - O(n³)**

**2)**

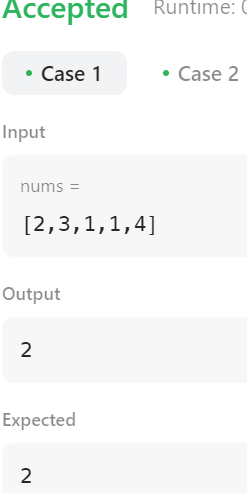
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**SOLUTION**

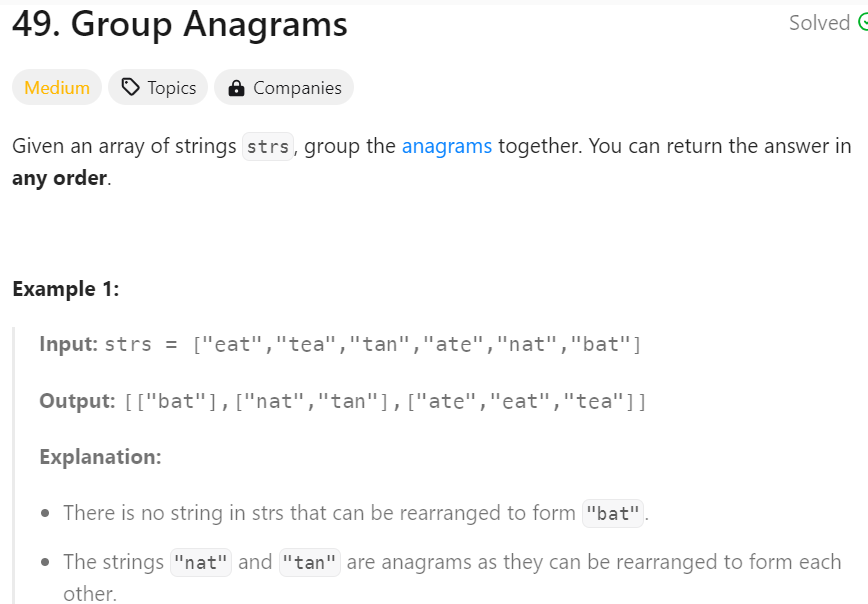
****

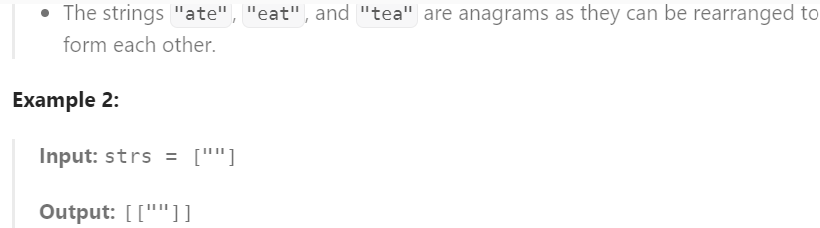
**OUTPUT**

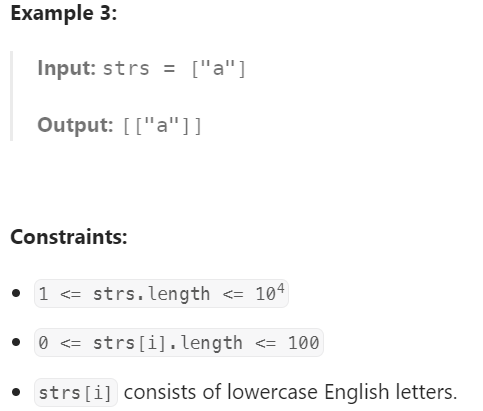
****

**TIME COMPLEXITY - O(n)**

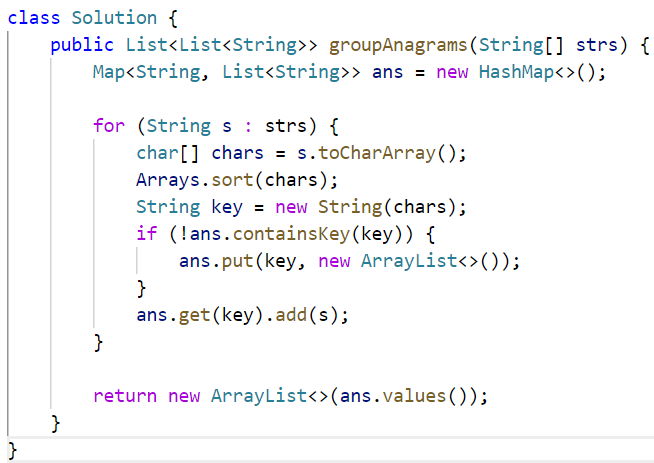
**3)**

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**SOLUTION**

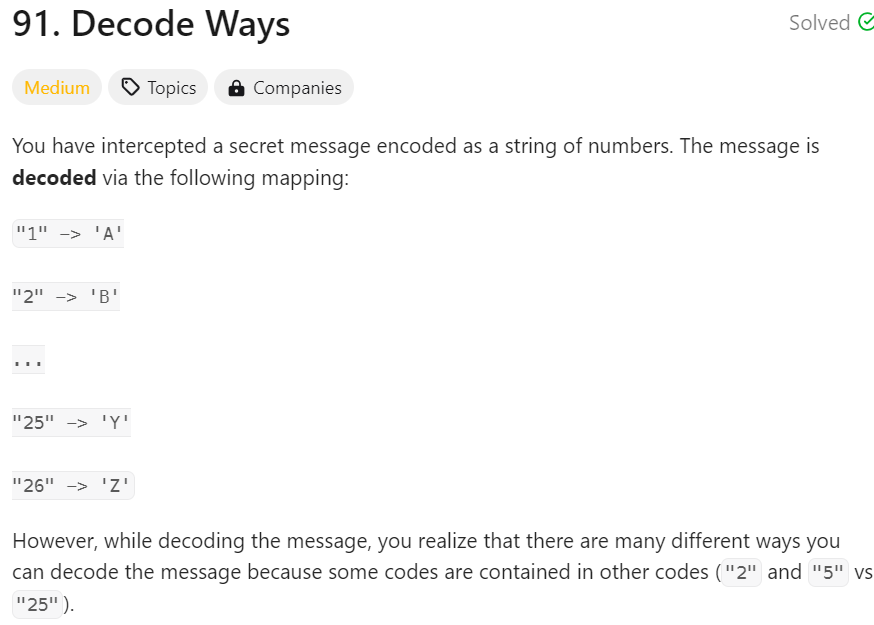
****

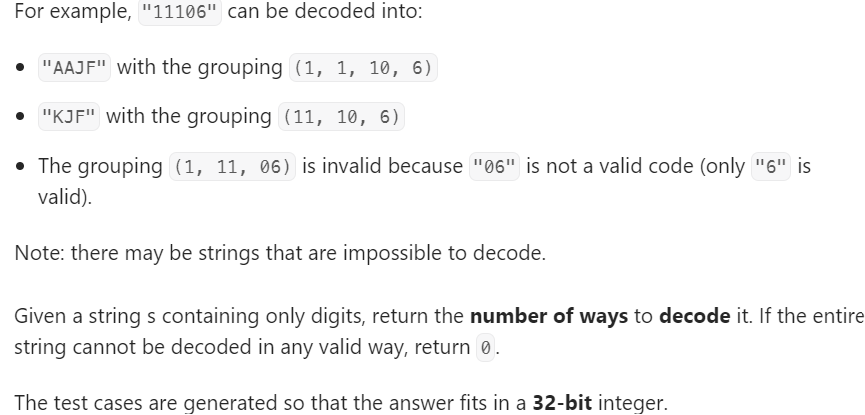
**OUTPUT**

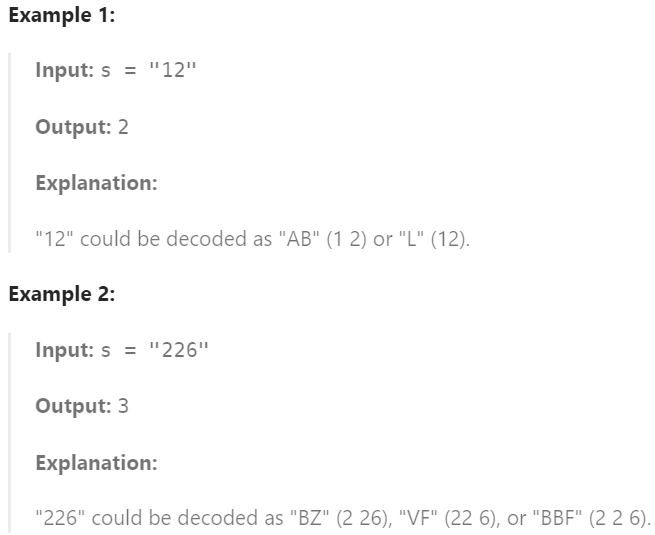
****

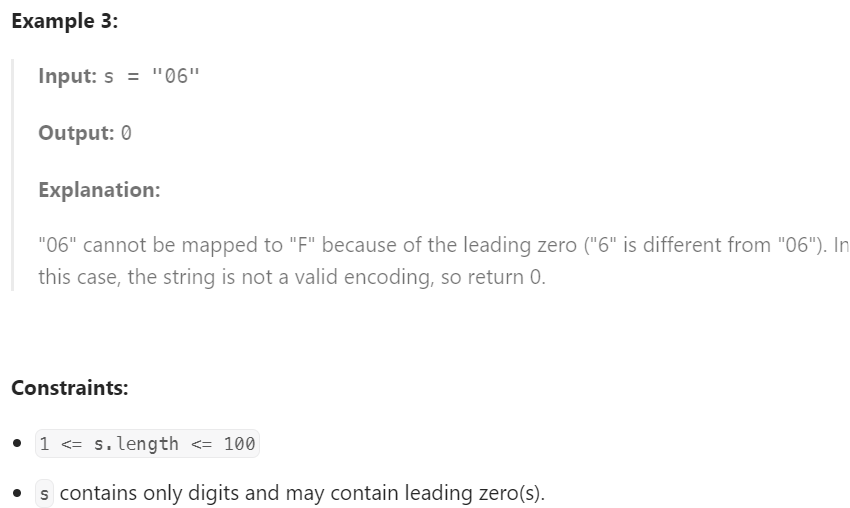
**TIME COMPLEXITY - O(n⋅klogk)**

**4)**

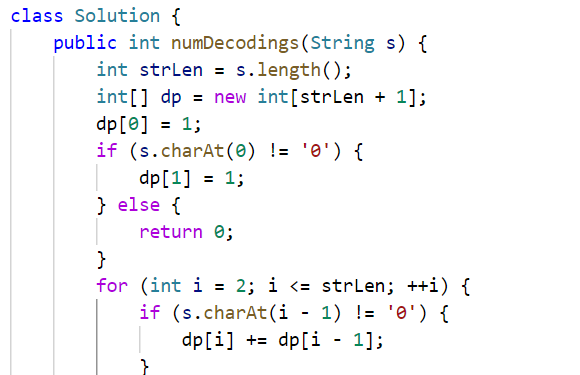
****

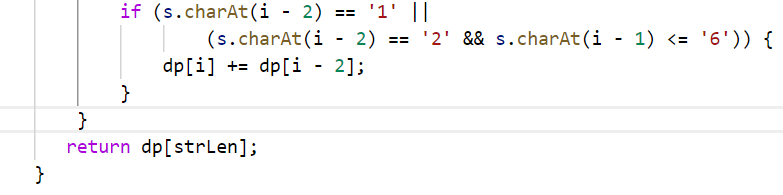
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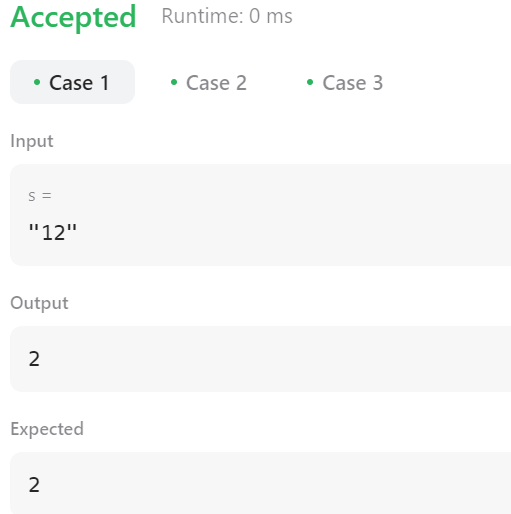
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**SOLUTION**

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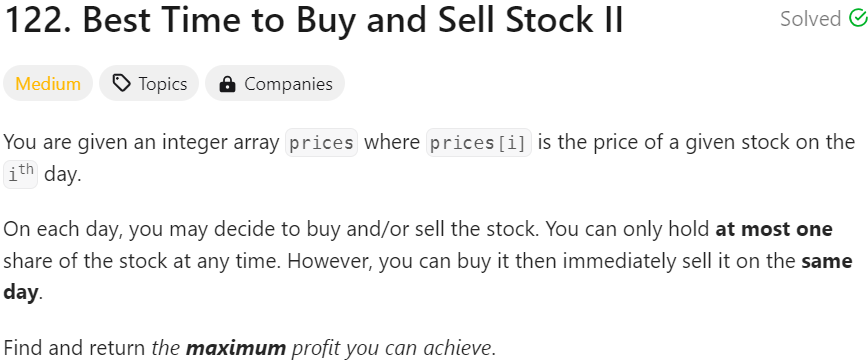
****

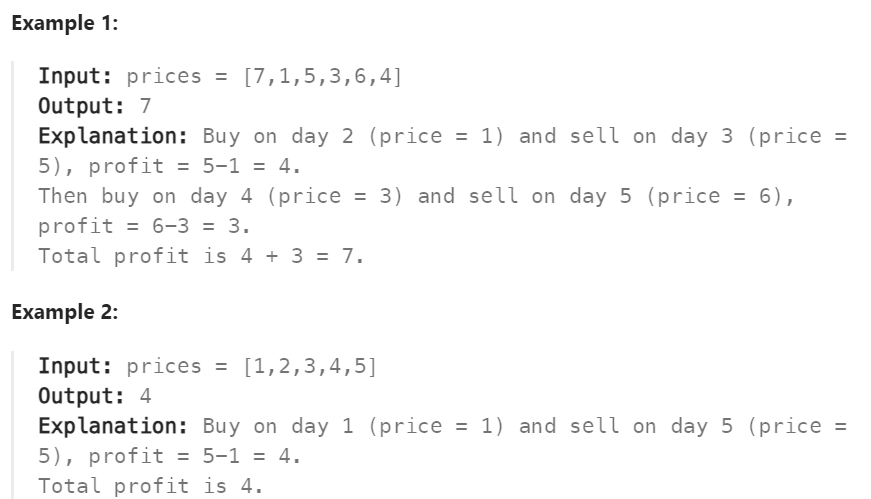
**OUTPUT**

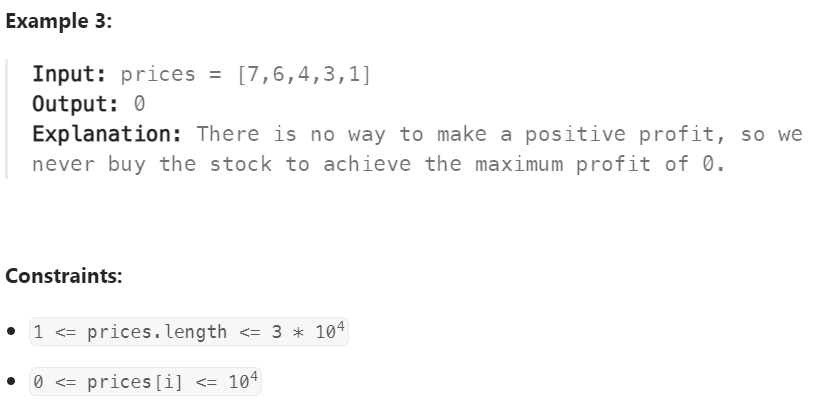
****

**TIME COMPLEXITY - O(n)**

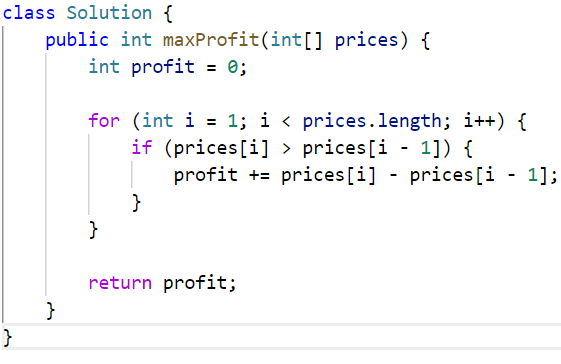
**5)**

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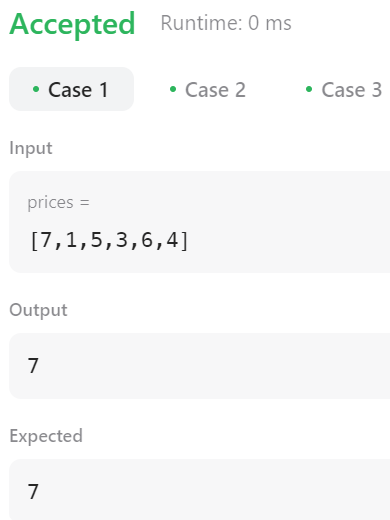
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**SOLUTION**

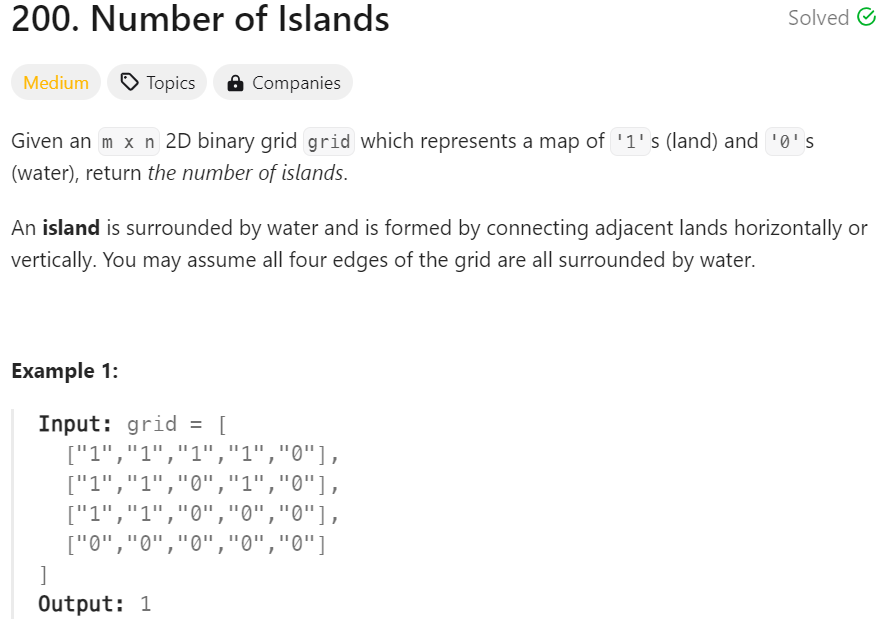
****

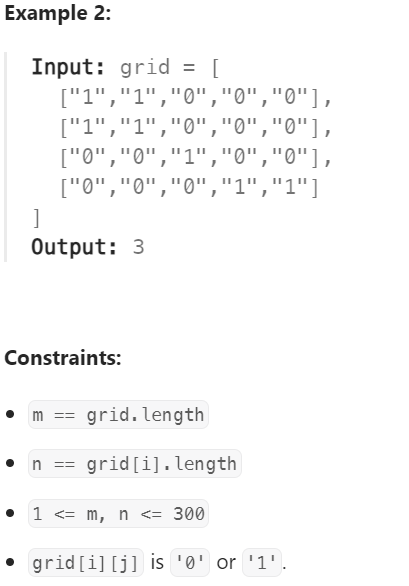
**OUTPUT**

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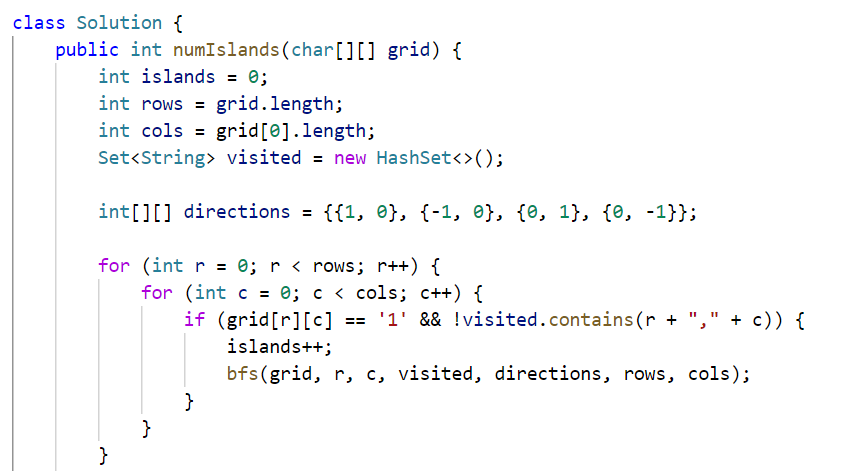
**TIME COMPLEXITY - O(n)**

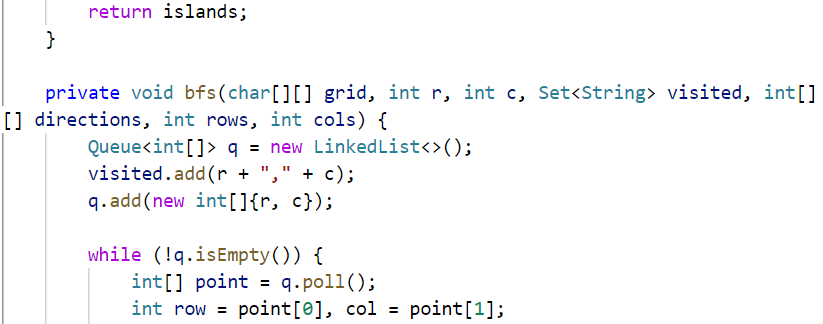
**6)**

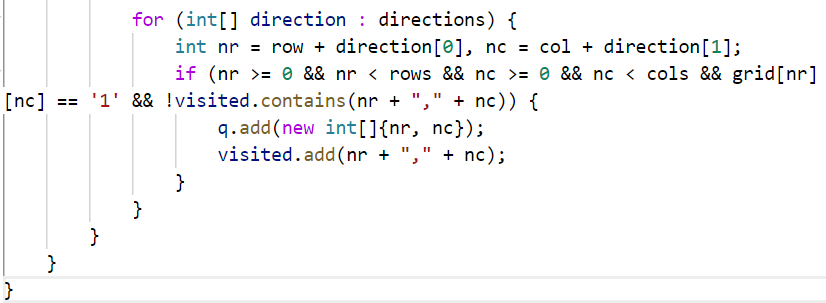
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**SOLUTION**

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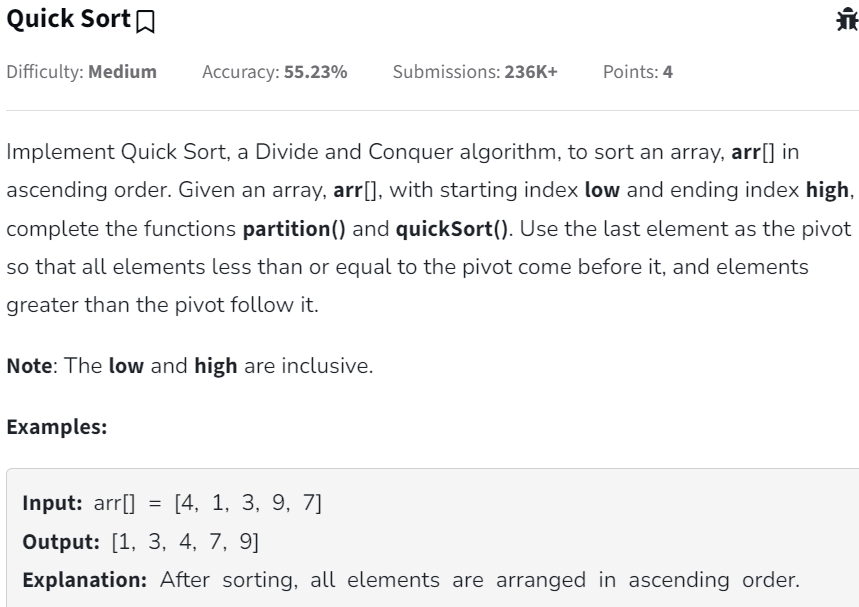
****

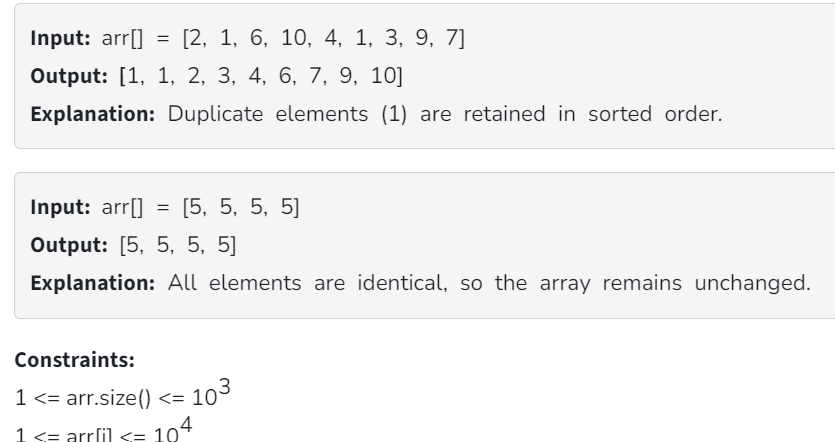
**OUTPUT**

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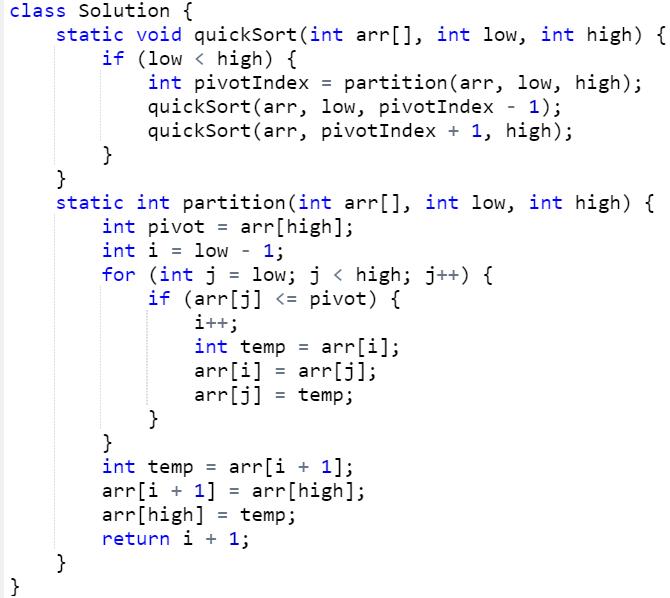
**TIME COMPLEXITY - O(m⋅n)**

**7)**

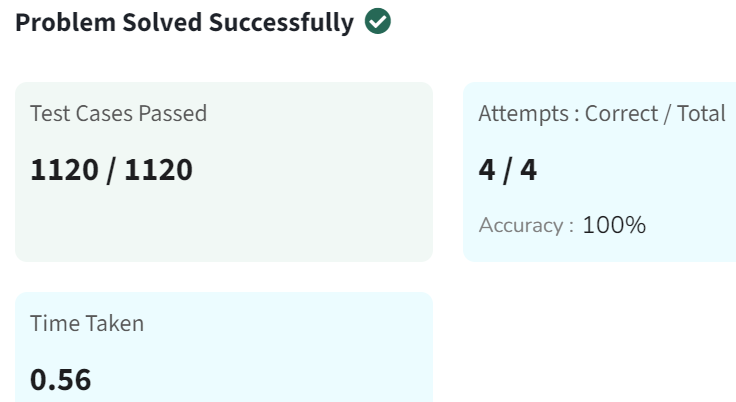
****

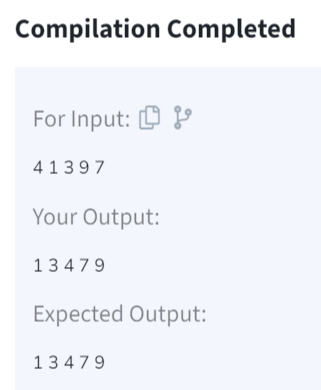
****

**SOLUTION**

****

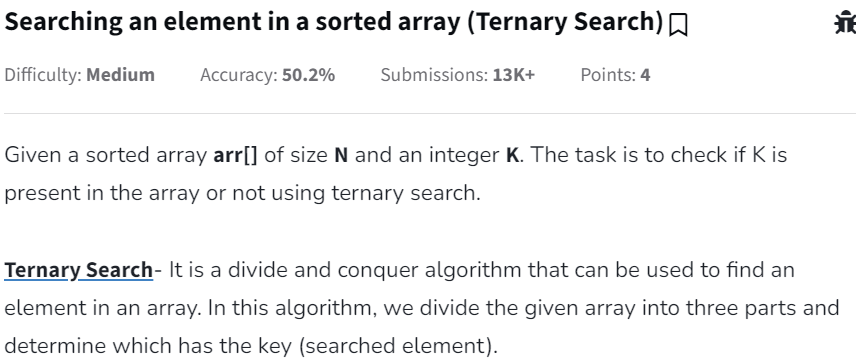
**OUTPUT**

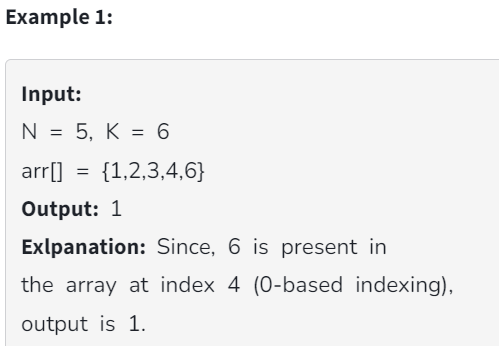
**\**

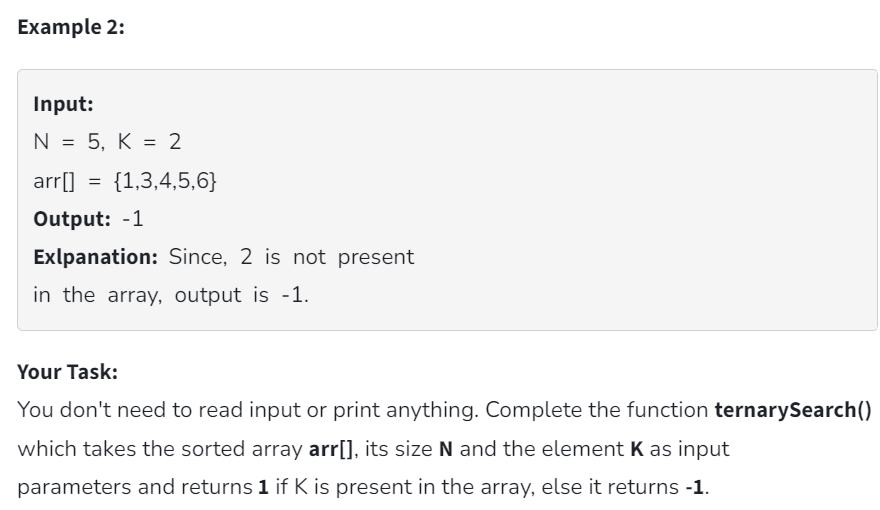
****

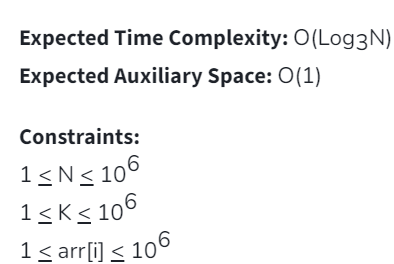
**TIME COMPLEXITY - O(nlogn)**

**8)**

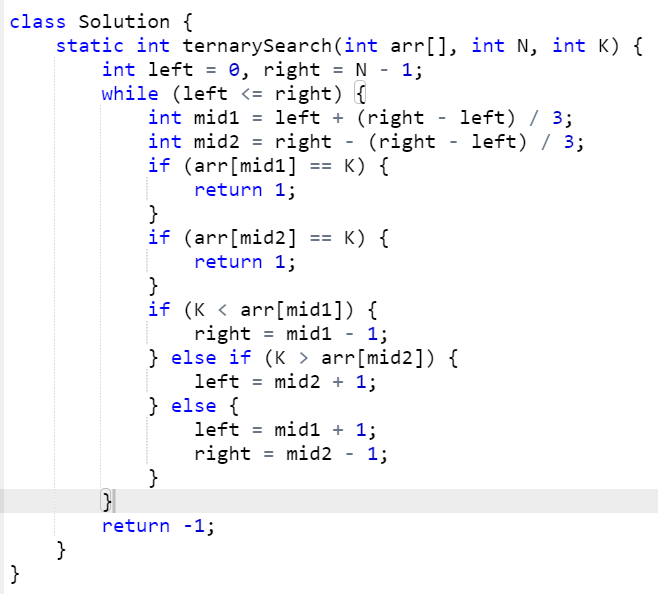
****

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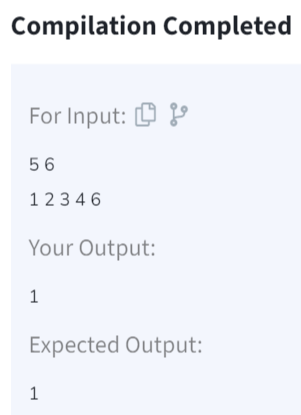
****

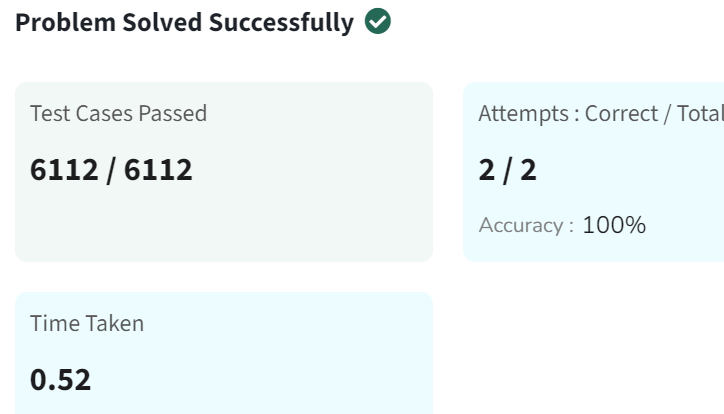
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**SOLUTION**

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**OUTPUT**

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**TIME COMPLEXITY - O(logN)**